

METHOD AND SYSTEM FOR DISTRIBUTING POWER TO NETWORKED DEVICES

ABSTRACT OF THE DISCLOSURE

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One embodiment disclosed relates to a system for power distribution to network devices. The system includes a plurality of network switches each having an internal power supply and a plurality of ports for connecting to the network devices and an external power supply having a plurality of output ports for connecting to the network switches. The external power supply communicates power available to the network switches. Each network switch determines amounts and priority levels of power for the network devices connected thereto, sums together the amounts at each priority level, determines additional amounts and priority levels of power required beyond the internal power supply capability, and sends a power request to the external power supply. The external power supply allocates power to the network switches depending on the power requests received.

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